

The Cutting Edge



Association of
British
Academic
Oral and
Maxillofacial
Surgeons

November 2017

www.abaoms.org.uk

Special points of interest:

- The ABAOMS website is being regularly updated. Please visit it soon (www.abaoms.org.uk)

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President's Report

Just a year ago, we all gathered in Berlin for the 2016 conference - and very much enjoyed the hospitality and vibrant program that was organised by Tom and the Birmingham team – thank you. In Liverpool we face a 'Zombie Apocalypse'I'm sure Kate, Lynne and the Liverpool team will ensure we all survive to return home at the weekend.

In a new initiative, ABAOMS advertised two research bursaries in spring 2017. We had some excellent applications and can report that bursaries have been awarded to

- Neha Shah "Development of a higher fidelity model for suturing simulation"
- Mark Gormley "An observational study of risk factors for head and neck cancer in UK Biobank"

We hope to continue to offer research bursaries annually – and are currently discussing the most effective way to do this.

The new ABAOMS web site is now up and running – a big thank you to our two trainee representatives, Eleni Besi and Omesh Modgill, for their help in keeping the web pages up to date. If you would like to add to the web site – or can suggest any changes please do let me or one of the team know.

This year we chose to send a questionnaire to our academic trainees to establish if training was similar in all units and importantly if our trainees were happy with their programs. This has revealed that there is some variability in the training offered in different units. Fifty percent of trainees reported a reduced clinical experience compared with NHS training programs. Support for research is also variable. Of concern, compared to NHS trainee's our trainees felt the academic training pathway was associated with a poor work life balance, increase stress and increased cost. With increasing pressure on all academic units and difficulty in recruiting, we do need to review how we offer academic clinical training.

Early in 2018 we are going to hold our first 'Recent Advances in Oral Surgery' study day. The event will be hosted in Sheffield on January 17th 2018 – and includes updates in oral pathology, IT, facial pain and more. I hope that this will become an annual event – please encourage your team to attend. Further details will be available on the website soon.

ABAOMS continues to have active representation at the SAC (now chaired by Christine Goodall from Glasgow) and RCS Senate. During the past year, ABAOMS has responded to consultations (Prescribing in Primary Care - NHS England; Shifting the Balance – GDC). More recently, there has been a stakeholder event looking at modernising the dental workforce in England.

The conference in 2018 is to be in Cardiff - and in 2019 we are considering a joint venture with John Marley and the Irish College –

but more about that when we meet in Liverpool.

Tilly Loescher, October 2017

Education Committee Report

The group formed after the Dublin meeting in 2004 and initially published a national curriculum for oral surgery. Since then we have worked on a number of topics which have been mutually beneficial. We meet twice a year and the majority of UK schools are represented. Our most recent meeting was on the 24th of April 2017, hosted in Manchester by Verena Toedtling.

We have been working on a number of topics including developing a virtual oral cancer competency. Simon Shepherd together with Emily McDougall, a medical artist/educational technologist, and Anna Sieben have been working on this project. This is to develop an online resource for all UK schools to access.

Nadine Khawaja is undertaking a survey about the teaching of chronic facial pain which we hope will be presented in due course.

Charlotte Emanuel is working on developing an undergraduate teaching video on exodontia which was made available to all of the ABAOMS education committee for feedback earlier this year.

At our last meeting it was agreed that we would collect data on numbers of extractions carried out by our undergraduates and this is being collated by Mike Macluskey.

We would like to thank Christine Freeman for her many contributions to the education group from the beginning. There as never a dull committee meeting when Christine was with us and we wish her a long and happy retirement. Rob Bolt has kindly agreed to take over the role of the Sheffield representative for the group.

Undergraduate prizes

This year eight schools took part in the competition which was to write an essay entitled “Should Wrong Site Extraction Be Classified As A ‘Never Event?’”.

The following students were awarded £100 for the school prize:

Christina Tran (Bristol); Madeleine Ball (Manchester); Amy Aziz (Sheffield); Marie Daniel (Liverpool); Ibrahim Matadar (Glasgow); Sophia Ibrahim (Birmingham); Victoria Soraya Sampson(QMUL); and Shyam Karia (Cardiff).

The national winner was determined by a small panel from the education group . Amy Aziz (Sheffield) was selected and is invited to attend our next meeting in Liverpool to present her work as the national winner.

Mike Macluskey, October 2017

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We have had a busy year, recovering from organising last year's meeting in Berlin ;-), and continuing to get settled in our new building.

Bosun Hong, who at last year's ABAOMS meeting won the prize for best oral presentation, has started her new post as Academic Clinical Fellow in Oral Surgery in September. Our ACF Harleen Kaur has, under the mentorship of Kasia Gurzawska, won a small research grant from RCS England. Kasia Gurzawska won the GSK-MINTIG prize (which is the mineralised tissue group) at the annual BSODR meeting in Plymouth

At this year's ABAOMS meeting we will be saying farewell to Patricia Gorecki, who will leave her Clinical Lecturer post at the end of November to take on an opportunity in the pharmaceutical industry. We will miss her and wish her all the best for the future.

Selected publications:

Gorecki et al., Perioperative supplementation with a fruit and vegetable juice powder concentrate and postsurgical morbidity: a double-blind, randomised, placebo controlled clinical trial. *Clinical Nutrition* 2017. <https://doi.org/10.1016/j.clnu.2017.08.004>

Mieszkowska A, Folkert J, Gaber T, Miksch K, **Gurzawska K**. Pectin nanocoating reduces proinflammatory fibroblast response to

bacteria. *J Biomed Mater Res A*. 2017 Dec;105(12):3475-3481. doi: 10.1002/jbm.a.36170. Epub 2017 Oct 4.

Meresta A, Folkert J, Gaber T, Miksch K, Buttgerit F, Detert J, Pischon N, **Gurzawska K**. Plant-derived pectin nanocoatings to prevent inflammatory cellular response of osteoblasts following *Porphyromonas gingivalis* infection. *Int J Nanomedicine*. 2017 Jan 12;12:433-445. doi: 10.2147/IJN.S113740. eCollection 2017

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Bristol

Since 2016 Bristol has seen an increase in the number of Academic Clinical Fellows in Oral Surgery with the appointment of Mark Gormley and Kathryn French. Kathryn continues her research in Professor Paul Martin's lab where she is currently investigating the foreign body reaction to surgical sutures in zebrafish. She has recently published in the journal of Cutaneous Pathology and the British Journal of Oral and Maxillofacial Surgery. Mark is based at the Integrative Epidemiology Unit and was awarded an ABAOMS research bursary for "An observational study of risk factors for head and neck cancer in UK Biobank" which was presented at this year's meeting in Liverpool.

Barry Main has been appointed as an NIHR Academic Clinical lecturer in Oral and Maxillofacial Surgery. His research continues his PhD interests in informed consent, and he is also a member of the Surgical Innovations theme of the recently opened NIHR Bristol Biomedical Research Centre.

Carla Fleming is continuing with her clinical teaching fellow post in Oral Surgery having recently passed her membership exams. She plays an active role in undergraduate and postgraduate education, including a PG Cert in Clinical Oral Surgery which has entered its second year. She presented a poster at the National Patient Safety Congress 2017 on the WHO checklist for oral surgery.

Tom Walker is a current specialty registrar in Oral and Maxillofacial Surgery and has published on wide range of issues relevant to the specialty.

www.bristol.ac.uk/dentistry

Selected publications:

French KE, Felstead AM, Haacke N, Theaker J, Brennan PA, Colbert SD. Spindle cell haemangioma of the tongue. *J Cutan Pathol.* 2016 Nov;43(11):1025-1027.

Gormley M., Philip J., James R., Heaton M. 2017. A rare fourth branch of marginal mandibular nerve. *Journal Oral and Maxillofacial Surgery.* 2017 Jul doi: 10.1016/j.joms.2017.06.042 [Epub ahead of print].

Main BG, McNair AGK, Huxtable R, Donovan JL, Thomas SJ, Kinnerley P, Blazeby JM. Core information sets for informed consent to surgical interventions: baseline information of importance to patients and clinicians. *BMC Med Ethics.* 2017 Apr 26; 18(1):29. doi: 10.1186/s12910-017-0188-7.

Thomas J, Walker TWM, Miller S, Cobb A, Thomas SJ. The Olympic legacy: Journal Metrics in Sports medicine and dentistry. *J Int Soc Prev Community Dent* 2016 Nov-Dec; 6(6) 501-508.

Walker TWM, Chadha A, Rodgers W, Mills C, Ayliffe P. Electronic Follow-up of Developing World Cleft Patients: A digital dream? *Telemedicine & E- Health* 2017 Oct; 23(10):847-851.

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In 2016 Professor Graham Ogden was appointed Dean of the Dental Faculty of the Royal College of Physicians & Surgeons of Glasgow, for a 3 year period, as well as Vice President (Dental) of RCPSG.

He chairs several College c/ts and is also Chair of SMEE (the c/t responsible for administering the ISFE exams). He currently Chairs the Joint Meeting of Dental Faculties (JMDF), where he is also JMDF rep on the Advisory Board for Specialty Training in Dentistry (ABSTD). The ABSTD is currently working closely with the GDC as they seek to update the specialty curricula. Prof Ogden was also appointed the JMDF rep. to the SDCEP Steering Group.

He continues to contribute to the teaching and assessment of both undergraduate (BDS, MBChB) and postgraduate (MResOralCancer) education within Dundee and also nationally through the MFDS exam, the Membership in Oral Surgery and is currently external examiner for the Master's degree programme in Oral Surgery at the Eastman Dental Institute, University College London.

Reconfiguring of theatre utility across Tayside has resulted in operating lists returning to Stracathro Hospital as well as continuing at Ninewells for the time being. Dr Sammut has been appointed as Clinical Lead for Oral Surgery, whilst Prof Ogden continues as Head of Oral & Maxillofacial Clinical Sciences at the University of Dundee.

He continues to be joint programme lead (with Dr Ellis) for the Taught Master's degree in Oral Cancer (MResOralCancer) in which the majority have gone on to study for a PhD (one of the intended outcomes of the course).

He continues to be actively involved in developing and contributing to professional development, having also organised a major meeting on Whistleblowing in the NHS in 2016 (in which keynote speakers included Andrew Bousfield (who co wrote with Dr Phil Hammond the Private Eye report

'Shoot the messenger') and Dr Kim Holt (who founded Patient's First after the baby P scandal). He was also invited by the late Professor Scully to contribute to the Henry Stewart Talks on Oral Medicine. He continues to be the sole dental representative on the Medical Advisory Panel (MAP) for Drinkaware, which provides them with independent advice and helps develop content of their website.

Dr Simon Shepherd successfully completed his PhD, jointly supervised with Prof Ogden & Prof Clarkson. Simon looked at the barriers and facilitators to GDP's giving alcohol advice and developed an intervention. Simon continues to work on the development of an online oral cancer module which he hopes to be able to share with all of the schools in due course. He is also collaborating with Duncan of Jordanstone on the development of 3D models for oral surgery simulation teaching again hoping to be able to share this resource with any other school who have 3D printing facilities. Simon presented a poster on "Fear of progression: a rope of a hair?" at this year's BAOS in Belfast.

Alison Wright, StR in Oral Surgery in Dundee is now in the second year of her training and is undertaking a Master's degree looking at issues surrounding the listing of patients for IV sedation, supervised jointly by Dr Sammut, Dr Macluskey and Prof Ogden.

Angela Pilley is continuing with her masters project "Perceived obstacles to the practise of Oral Surgery". This is a questionnaire based project involving final year students, outreach tutors and vocational trainers. Angela and Simon have introduced a new final year module on Team leadership which has been well received by the undergraduates.

Mike Macluskey continues to work on potentially malignant and malignant oral lesions co-authoring a poster for this years BAOS. Her PhD student ,Huda Alkhadar, presented her work on “The expression pattern and effect of NGF on in-vitro invasive behaviour of oral and salivary gland tumour ” at the British Association of Head and Neck Oncologists (BAHNO) conference in London in May.

Another student, Ryan Higgins, successfully completed his masters project “Prevalence of periradicular periodontitis in a diabetic population” in October 2017.

Together with Dr Stephanie Sammut, Mike co-chaired the SDCEP review committee for guidance on Oral Health Management of Patients at Risk of Medication-related Osteonecrosis of the Jaw published in March 2017.

Mike has also been invited to speak at the Anatomical Society Winter Meeting and the theme of the conference is “Solving clinical problems with anatomical solutions”.

Selected Publications:

Ogden GR Critical review of Bouloux et al What is the risk of future extraction of asymptomatic third molars?A systematic review published in J Oral Maxillofac Surg 2015; 73:806-11 Journal of Evidence- Based Dental Practice 2016 Vol 16:47-49 doi: 10.1016/j.jebdp.2016.01.010

Ogden GR Chapter 30 entitled ‘Benign Diseases of the oral cavity’ in Logan Turner’s Diseases of the Nose, Throat and Ear. 11th Edition CRC Press ISBN 978-0-340-98732-22016

Shepherd S, Ogden GR. Alcohol and the dental team: Relevance, risk, role and responsibility. Dental Update 2017; 44 (6):495-501.

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Violence Research Group has had another tremendous year.

New investment in the Cardiff Model for Violence Prevention internationally included multimillion grants to support implementation in Sydney, Melbourne, Canberra and other cities in Australia, and also in Wisconsin in the United States. The Model is also being implemented in the Western Cape Region in South Africa, and in Philadelphia, Atlanta and Milwaukee, supported by the Centres for Disease Control and Prevention. The United Nations Office for Drugs and Crime (UNODC) is exploring its application in Mexico.

Simon Moore led successful major new grant applications to NIHR and ESRC and it's been a challenge, yet so encouraging, to find space for all the new researchers and international visitors from such places as Milan and Germany. Zairah Roked finished her PhD and is in danger of being recruited to oral medicine. Nick Page finished his post doc post. Simon was recruited in a public appointments process to the Welsh Government's Drugs and Alcohol Advisory Panel.

Vas Sivarajasingam led the 2016 National Violence Surveillance Network's annual survey of violence in England and Wales, finding that after smaller and smaller annual decreases, levels were flat in 2015. From this trajectory, it's very possible that levels are on the rise again now. Jon Shepherd successfully argued at the Office for National Statistics (ONS) that this A&E measure should become a recognised national statistic; the more detailed dataset developed by the Group is being incorporated into the new Emergency Care Dataset (ECDS) being developed for national implementation by the Department of Health.

Jon Shepherd spoke on violence prevention at the international mayors' City Lab meeting organised by Michael Bloomberg the ex-New York mayor which took over the fabulous St Pancras Hotel for three days in October, at the UNODC conference in Merida, and was a plenary speaker at the RCGP annual conference in Harrogate alongside the primary care minister, David Mowat

who Jon collared in the lift afterwards seeking his commitment to minimum alcohol prices.

Violence Research Group seminars attract academics from across the University to hear prominent speakers explain their latest findings on such topics as domestic violence prevention, links between alcohol prices and violence, and the impact of licensed premises' concentration on health harms and crime.

The Advanced therapies Group have again been fortunate this year.

The "first in man" paper on their work on OligoG, on which they have been working with their industrial collaborators was published in Molecular Pharmaceutics. The agent OligoG CF-5/20 has been approved by the Europeans Medicines Agency and the US FDA earlier this year. Human studies are now ongoing in patients with CF and in life-limiting *Burholderia* infections across the EU and Scandinavia.

The first inhaled alginate therapy (OligoG Cf-5/20) has been officially added to the "drug pipeline" of the US Cystic Fibrosis Foundation, and has been the subject of a \$US4M award to support further research. Ongoing work, being driven by Elaine Ferguson and Jo Stokniene within the Group, has developed polymer conjugates (based on alginate oligomers) exploiting the ability of these agents to "mask" the toxicity (and regulate the dosage) of toxic antibiotics. These patents have been filed in Q4 on the world's first bifunctional polymer therapies. In recognition of this work, Elaine has been awarded a prestigious *MRC New Investigator Award*, of >£UK 350K.

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Katja Hill and Lydia Powell both been deservedly promoted to a Lectureships and Alison Jack left to lead her own industrial research group. The group has also been joined by two new Clinical Research Fellows from ENT and Paediatrics.

DWT has been appointed to the management team of the new Wellcome Trust-funded clinical academic training programme between Bristol, Cardiff and Exeter; the first cohort of Fellows will be recruited in 2017. DWT was appointed to the steering-group of the University Research Institute in Inflammation, Infection and Immunity.

The *Implantology MSc Programme* with Rob Adams, Nick Claydon, Adrian Binney and DWT has had another successful year with 9 students undertaking the MSc Programme. The work of this team has been complimented by the programme of subject-specific courses the team have developed, in hard- and soft-tissue grafting, with Dentsply.

Newcastle

As always things have been busy in Newcastle and it's difficult to ensure that we don't forget things especially given time seems to fly by! John Ashman a long-serving clinical teacher with us has now retired from teaching practice but is still active in Health Education England. We wish John well in his (part-)retirement. Michael Hicks has now joined us to help address John's retirement and Michael divides his time with us teaching and operating and works in primary care for the remainder of his time. We have also welcomed a new Oral and Maxillofacial Consultant Mr Simon Endersby (BDS Newcastle, 2000) who will provide an interface with dermatology and trauma.

Publications:

Sivarajasingam V, Page N, Wells J, Morgan P, Matthews K, Moore SC, Shepherd JP (2015). Trends in Violence in England and Wales 2010-2014. *Journal of Epidemiology and Community Health*. doi:10.1136/jech-2015-206598

Shepherd JP, Avery V, Rahman S (2016). Targeted policing. *Police Professional* 503: 14-16

Page N, Sivarajasingam V, Matthews K, Heravi S, Morgan P, Shepherd JP (2016). Preventing violence-related injuries in England and Wales: a panel study examining the impact of on-trade and off-trade alcohol prices. *Injury Prevention* 2016;0:1-7. doi:10.1136/injuryprev-2015-041884

Moore SC, Wood AM, Moore L, Shepherd J, Murphy S, Brown GD (2016). A rank based social norms model of how people judge their levels of drunkenness whilst intoxicated. *BMC Public Health* 2016;16:798. DOI: 10.1186/s12889-016-3469-z <http://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-016-3469-z>

<http://www.ncl.ac.uk/dental>

We made the news this year with Charlotte Currie's paper on A&E attendances for toothache making half a page in *The Times* and we were delighted to hear recently that Charlotte has been awarded a prestigious NIHR Doctoral Research Fellowship over four years for a programme of research investigating acute dental pain and "problem orientated attendance" (ImPacT study: Investigating Problem Orientated Patient PATHways, Toothache to Treatment).

Newcastle (cont...)

<http://www.ncl.ac.uk/dental>

The new lead for the Stage 5, Helen Stancliffe, has planned some exciting revisions for Stage 5 and has also conducted some interesting research in surgical competency along with Michael Hicks – you'll hear more about this at ABAOMS! Hannah Desai has taken up the challenges of surgical safety in exodontia and is speaking at the BAOS National Surgical Safety day in December.

Stuart Nelson has successfully sat the Diploma of Implant Dentistry and is planning innovative opportunities for students to extend their surgical exodontia experience. Lee Mercer and Emma Robinson hosted a very successful BAOS study day at the racecourse. Finally, Justin Durham has been appointed Deputy Dean of Clinical Medicine for the Faculty of Medical Sciences and has been promoted to a personal chair in orofacial pain.

Amongst other things Mark Greenwood has been busy editing two new editions of his textbooks: Essentials of Human Diseases in Dentistry (2nd Edition, Wiley-Blackwell) due to be published in late 2017/early 2018; General Medicine and Surgery (3rd edition, BDJ Books) due to be published in Spring 2018. Ian Corbett has both continued to be highly active in UK and overseas Collegiate examinations and also in delivering exciting pain management courses as part of the Septodont education team.



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Leeds

<http://www.leeds.ac.uk>

Academic Oral Surgery at Leeds has been through a period of change. Toward the end of 2016, Jim Carey and Jerry Shaw continued departmental business, with two colleagues having left the department in 2016, including our honorary consultant. At the start of 2017 we welcomed a new Associate Professor and Lead for Oral Surgery, Dr Alasdair McKechnie to the team and in August we were lucky to also have Mr Richard Moore join the team as a new Lecturer. We welcome Helen Gaskell's return in October following a period of maternity leave. This should bring the academic team back up to strength. The School is undergoing extensive refurbishment which is due for completion in November 2017. The department is now looking strong and the team are optimistic about future developments.

Academic Oral Surgery at KCL

Staff comprises of: Lead Tara Renton UG Lead Nadine Khawaja (currently on maternity leave covered by Adam Lorincz) PhD students Kiran Beneng and Aalia Karamat Lydia Nabil Visiting Fellow ACF Clinical OFP fellows Leigh Ann Elais and Dermot Canavan and 12 FTE clinical teachers

New appointments Due to the success of the Orofacial pain (OFP) service we are able to appoint 3 new Clinical Psychologists who will support the dental school in general.

Summary of Activity Service Orofacial pain and nerve injury clinic service sees a high volume of OFP patients (>2K per year). We work in collaboration with Liaison Psychiatry, clinical psychology, neurology (Professor Peter Goadsby's team) and Pain management team at St Thomas hospital. UGs see OS patients year round Grants £6.6m Renewal of an expanded Biomedical Research Centres (BRCs) at South London and Maudsley includes a new Pain Theme one of 11 groups £2.7m MRC Grant, 'Stratifying Chronic Pain Patients By Pathological Mechanism- A Multimodal Investigation Using Functional MRI, Psychometric And Clinical Assessment.'

Publications BDJ oral surgery book 2 published

Policy work includes Lead LocSSIPs for dental extraction launched at Patient safety day at RCS England March 3rd 2017 ESPAUR dental secondary care subgroup (TR, Greg Gerrard, Nick Palmer and No-ha Seoudi) clinical scenario online AMS CPD (part 1 trialled and part 2 about to be released). TR NICE clinical advisor for NICE M3M review soon to be published.

Mandibular division trigeminal nerve injuries following primary endodontic treatment. A case series. Devine M, Modgill O, Renton T. Aust Endod J. 2017 Aug;43(2):56-65.

A Survey of the Opinion and Experience of UK Dentists Part 3: An Evidence-Based Protocol of Surgical Risk Management Strategies in the Mandible. Ucer C, Yilmaz Z, Scher E, Suzuki J, Renton T. Implant Dent. 2017 Aug;26(4):532-540.

The complexity of patient safety reporting systems in UK dentistry. Renton T, Master S. Br Dent J. 2016 Oct 21;221(8):517-524.

Education: 450 undergraduate dental students including 30 medical graduates in years 3, 4 and 5 of their studies receive practical teaching including consultant clinics and routine and surgical exodontia. They are trained to perform extractions under intravenous sedation as well. The teaching of local anaesthesia to second year dental students is also undertaken by the department.

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Undergraduate Education:

Dr. Bell is continuing her leadership as the Director of dental Education and the lead for teaching Oral Surgery. Dr. Naudi is the 4th year coordinator. Dr. Goodall is the head of admissions; Prof Ayoub is the director of the postgraduate programme in Oral & Maxillofacial Surgery and the Glasgow research lead for the Scottish Craniofacial Research Group.

Postgraduate education/ activities

Four PhD students and 4 Master's students are currently supervised by Prof. Ayoub & Dr. Naudi, their research is focused on Tissue Bioengineering and multi-dimensional facial analysis. In addition, the collaborative research with Huddersfield University on the application of Oculus Rift in illustrating Le Fort I osteotomy with interactive manipulation of 3D surgical models and instruments has been completed and PhD was awarded to Dr. Yeshwaneth Pulligja. The project is focused on the application of 3D virtual reality for the training of surgical trainees is progressing well.

Ms. D. Al Rudainy completed her PhD study on the 3D assessment of cleft lip and palate in infants and young children. The thesis will be submitted next month for assessment. The project was co-supervised with F. Mehendale (consultant Plastic Surgeon) and Dr. X Ju (Principal computing scientist).

In collaboration with Strathclyde University, Prof. Ayoub is supervising a research project leading to Master's degree on the accuracy of the designing and printing of digital anatomic wafer to guide orthognathic surgery. The student is a full time maxillofacial technologist based at the Queen Elizabeth University Hospital.

The Glasgow biennial international orthognathic course was conducted by our multi-disciplinary team on 19-21 March 2017 in collaboration with colleague from the Netherlands. The course was successful and attracted participants from the UK, Middle East, Europe and Asia.

Research:

The research profile is progressing from strength to strength; the team focused their research on 3D/4D imaging, bone bioengineering for oral & maxillofacial applications, and alcohol abuse with its associated violence. These research themes are now fully embedded and integrated within the Scottish Craniofacial Research Group which was established by Chief dental Officer in Scotland in collaboration with the four Scottish Universities.

Prof. Ayoub, Dr. Yang and Dr. A Bell are continuing their research in 3D/4D imaging for the evaluation of maxillofacial deformities. Prof. Ayoub was invited key note speaker to present on the recent advances on 4D imaging of the oro-facial region at the conference of the international Association of Oral & Maxillofacial Surgeons in Hong Kong, 4-6 April 2017.

In response to the WHO plea for a global response to the outbreak of Zika virus in South America, Prof. Ayoub in collaboration with colleagues from Brazil completed the 3D craniofacial imaging of Zika virus babies who suffer from microcephaly. The analysis has commenced to link the phenotype with the brain damage recorded in the CT scans of the affected cases. Prof. Ayoub was invited to present the preliminary findings at the International Conference of the Brazilian Association of Oral & Maxillofacial Surgeons (XXIV COBRAC), in Sao Paulo on the 7th Sept. 2017.

The collaborative research with colleagues at Biomedical Engineering, School of Engineering and the Centre for Cell Engineering, Institute of Molecular, Cell and Systems Biology is progressing well to investigate the application of the recent advances in tissue bioengineering for the reconstruction of critical-size maxillofacial bony defects. A further PhD student will be joining the group under Dr. Naudi's supervision in the coming months. This student will be looking at the development of injectable scaffolds for tissue regeneration.

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The research on the application of 4D imaging to assess abnormal facial movements is progressing well; two full time PhD students are working exclusively on this research theme. The development of Glasgow Index of Facial Movements is underway.

The team is continuing the research on the diagnosis and management of dentofacial deformities. Several projects have been completed on the imaging of dental occlusion, assessment of lip scarring of surgically managed cleft cases and on the psychological aspects of facial dysmorphology. Prof. Ayoub will present the preliminary findings at the 9th Dental Facial Cosmetic International Conference, 2-4 Nov. 2017 at Dubai Festival City, UAE.

Dr. Goodall is progressing well in her research on violence and alcohol misuse and its association with injury. She has recently started a mixed methods evaluation of the Navigator programme. Navigator is a hospital based violence intervention that supports people with a range of social issues both in hospital and on discharge in the community. It is based in the Emergency Departments of two of Scotland's biggest hospitals. She has also been analysing national data sets held by ISD on trauma and most recently completed an analysis of sharp force injury in Scotland and its socio-demographic determinants. Medics against Violence a charity run by Dr Goodall has received further funding from the Scottish Government for its domestic abuse training initiative and a peer led education programme for schools on violence, the MAV Interns programme is currently in development towards national roll-out following a pilot phase.

Recent publications (2017):

Alagha, M. A., Ju, X., Morley, S. and Ayoub, A. (2017) The reproducibility of the dynamics of facial expressions in unilateral facial palsy. *International Journal of Oral and Maxillofacial Surgery*, <http://eprints.gla.ac.uk/144400/>

Al-Rudainy, D., Ju, X., Mehendale, F., Ayoub, A. (2017) Assessment of facial asymmetry before and after the surgical repair of cleft lip in UCLP cases. *International Journal of Oral and Maxillofacial Surgery* (in press).

Pulijala Y, Ma M, Pears M, Peebles D, Ayoub A, Effectiveness of Immersive Virtual Reality in Surgical Training - A Randomized Control Trial, *American Journal of Oral and Maxillofacial Surgery* (2017), doi:10.1016/j.joms.2017.10.002 ([http://www.joms.org/inpress#/article/S0278-2391\(17\)31250-8/fulltext](http://www.joms.org/inpress#/article/S0278-2391(17)31250-8/fulltext))

Mundluru T, Almukhtar A, Ju X, Ayoub A. The accuracy of three dimensional prediction of soft tissue changes following the surgical correction of facial asymmetry: An innovative concept. *Int J Oral Maxillofac Surge* 2017;11:1517-1524

Al Mukhtar A, Khambay B, Ju X, McDonald J, Ayoub A. A analysis of soft tissue changes in response to orthognathic surgery: Mandibular versus bimaxillary advancement. *International Journal of Oral and Maxillofacial Surgery* (in press)

Staffing

This year saw some much needed growth in the consultant body within the department of Oral Surgery and some new faces on the teaching side. We were thrilled to welcome Ed Bailey to a new Senior Clinical Lecturer/ Honorary Consultant post in Oral Surgery. Zoe Killick took up a substantive new NHS consultant post whilst Emma Quartey, took up a locum consultant post. Roberto Sacco started as a part-time clinical teacher in oral surgery one day a week. Fleur Mumford went on from maternity leave in the Spring and her maternity leave is being covered by 2 part-time clinical teachers – Lino Locurio & Alkisti Pantiora, each doing a day a week. Emily Carter returned from maternity leave to continue her StR training on a flexible basis and Neha Shah started as an ACF, while Anand Lalli continues as a ACL and is in his final year.

News

Judith Jones was re-elected to the Board of the Faculty of Dental Surgery RCS England for a second term and also takes over as Chair of the Fellowship and Awards Committee at FDSRCS England. Ed Bailey has been elected to sit on the council of BAOS for the next 3 years. He has been very active since joining the department working on patient safety issues within the dental institute and wider NHS Trust. He has worked with a team to revamp the SSCL for dental extractions and has worked hard to improve buy in of the whole process of safety checks for clinicians involved in exodontia. He is also working with Andrew Sadler on undergraduate textbook in Oral Surgery. Neha has settled well into life in the East End of London. She has started some educational projects as well working on Cochrane reviews with Ed. She has also shown she is a dab hand in the kitchen with sweet homemade treats appearing in the department on a regular basis.

Anand continues to work with many collaborators on the research side, in particular Professor Ahmad Waseem in the supervision of PhD students and they have successfully extended funding from the Rosetrees Trust for the commercialisation of a novel diagnostic test for head and neck cancer. Their PhD students were fortunate to have won prizes at both the British Association of Head and Neck Oncologists (BAHNO) and British Society for Oral and Dental Research (BSODR) annual scientific conferences this year.

Roberto has been recently appointed as External Examiner for the Diploma in Primary Care Oral Surgery (DPCOS) at the FGDP- RCS as well as an Editorial Board Member for the Global Journal of Oral Science. He has contributed a chapter on: Perfecting Implant-Related Esthetics Using Optimum Surgical Guides to the Fundamentals of Esthetic Implant Dentistry 3rd edition book. Somit Prasad gained a Diploma in Implant Dentistry from RCS Edinburgh. Patricia Marsden was appointed Chair of the Board of Examiners for the Primary Care Diploma in Oral Surgery

Publications from staff members

Beyond ONJ – A review of the potential uses of bisphosphonates in dentistry. British Dental Journal, 222:72 –730. Shah NP, Nayee S, Pazi-anas M, Sproat C. 2017

A case of periradicular surgery on lower left first molar: apicectomy and obturation of the apex, a bold act” - Locurcio L; case report - IN PRESS - Stomatological disease and Science Journal (2017).

Campbell, S.J., H. Williams, L. Locurcio and A.Creedon. "Isolated Hypoglossal Nerve Palsy: A Case Report." J Neurol Neurosci 8 (2017): 2.

Campbell, S.J., L. Locurcio, and H. Witherow. "Conservative management of an inoperable arteriovenous malformation." British Journal of Oral and Maxillofacial Surgery (2017).

Grants

Neha Shah has been awarded two grants since starting at QMUL/Barts Health. One a grant of £1500 from ABAOMS towards a research project titled: Development of a higher fidelity model for suturing simulation. She is working towards the first pilot study of the newly designed suturing simulation model

She has also been awarded a travel grant by the NIHR to visit the USA to form links with the University of California, San Francisco and to give an oral presentation at the AAOMS annual meeting titled: A retrospective Review of Severe Osteoradionecrosis, based on work carried out in her previous job.

Anand Lalli has managed to secure funding for a full time post-doc researcher from Queen Mary Innovation Ltd to develop a diagnostic test for HPV-driven head and neck cancers.

The Cutting Edge

Professor Crispian Scully CBE, Dean of the Eastman Dental Institute from 1993 to 2008, died earlier this year and to mark his immense professional contribution UCL Eastman will be hosting a celebration of his life on Wednesday 22nd November through the reflections of colleagues and collaborators.

Professor Nigel Hunt completed his term of office as Dean of the Faculty of Dental Surgery of the Royal College of Surgeons of England this summer and received the award of OBE on 13th October 2017 for his contribution to research, education and patient care allied to Orthodontics and the oral health of children and young adults.

Congratulations this academic year also go to five of the Oral Surgery postgraduate students who successfully passed the Tri-Collegiate Royal College of Surgeons Membership in Oral Surgery examinations ; Alkisti Pantiora in November 2016 and Kevin Henry, Michail Kyrtos, Vishaal Ranjitsingh and Alaa Aldaadaa in June 2017.

Dr Rachel Leeson continues as the Academic lead and Programme Director for Oral and Maxillofacial Surgery and as the Graduate Tutor for all 89 PhD and DDent postgraduates within UCL Eastman. She was also appointed as an External examiner for Newcastle this year. Mr Colin Hopper continues with his work on Photodynamic therapy.

Dr Josiah Eyeson, continues in his role as the NHS Clinical lead. Edmund Bailey moved to Barts & The London, QMUL in January 2017 as Senior Lecturer/ Honorary Consultant. Nikki Tanner who passed her MOS Tricollegiate last year in June 2016 started as Locum Consultant in January 2017. Meanwhile, Ambareen Naqvi previously a Staff Grade in the department started as StR in Oral Surgery in May 2017 and Salva Adesh has just started as a Staff

Examination last year in June 2016 started as Locum Consultant in January 2017. Meanwhile, Ambareen Naqvi previously a Staff Grade in the department started as StR in Oral Surgery in May 2017 and Salva Adesh has just started as a Staff Grade in October 2017. Ambareen presented two posters and an oral presentation on 'How to make an Oral Surgeon.' at BAOS in Belfast September 2017. The Facial pain team presented work at the British Pain Society in Birmingham April 2017.

Tina Hali, StR ACF in Oral Surgery, recently gave an oral presentation CBCTs vs DPTs-an international survey, at the Australian and New Zealand Association of Oral and Maxillofacial Surgeons Conference in Sydney, October 2017 and has also been shortlisted for the Royal Society of Medicine Odontology Section Colyer Prize – A cost analysis of simple extractions-primary care versus secondary care, scheduled for March 2018. She also joins colleagues in presenting three posters at this ABAOMS conference.

An audit to assess patient satisfaction following treatment with intravenous sedation in a secondary care setting Aisha Shabir, Tina Halai, Mehri Eghtesad, Josiah Eyeson.

Tiering, Triaging and Training. Tina Halai, Arwa Sanalla, Josiah Eyeson.

Assessing the effectiveness of CBCT in high risk mandibular third molar removal- a retrospective study. Sandeep Joshi, Calre Steel, Tina Halai, Josiah Eyeson.

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Maxillofacial Surgeons

2016-17 has been a year of changes in Sheffield. Ian Brook, Keith Smith and Christine Freeman have all retired and we have welcomed Elena Kyriakidou and Suzie Nolan as consultants to the unit. Saying goodbye to Ian, Keith and Christine has not been easy - as they have all been an important part of Sheffield oral surgery for many years. Ian first came to Sheffield in 1983 and was joined by Keith in 1987, both were appointed as University lecturers and entered clinical training pathways. Over the years both Keith and Ian have contributed enormously to the research and teaching in Sheffield, and nationally both have made important contributions to the development of Oral Surgery. Christine joined the unit later in 1995 with a passion for teaching – and became a firm favourite with the dental students. Ian and Christine are both coming to ABAOMS this year – and we look forward to the special brand of humour they will bring.



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Research continues to flourish and Rob Bolt has successfully coordinated a grant application to undertake a clinical study - MAGIC trial - Melatonin for Anxiety prior to General anaesthesia In Children. This attracts £1.7 million and is a 10-centre study.

Simon Atkins is a co-applicant on the trial also Julian Yates from Manchester and also Sondos Albadri from Liverpool.

The Cutting Edge

In September 2018 we launch our new curriculum which is an exciting (and challenging) time for us all and we have a new Head of School starting here in December as well. Things are progressing nicely and we look forward to fun and games in September!

Things are rapidly escalating towards fever pitch for the Liverpool Conference Organising Faculty (Kate, Lynne, Gill, Sarah, Francis) and we have a packed schedule for you. To date we have had a really good response (if a bit late) and we have been inundated with offers for oral and poster presentations. To be fair to people who applied early, we have had to decline late applicants and we apologise for this but we are limited for space within the programme

We have an acclaimed group of international keynote speakers. These include the award winning duo of Colette Balmer (BAOS Trainer of the year 2017) and Sarah McKernon (BAOS Trainee award 2017).

Publications:

Paper

· An update on current resuscitation council (UK) guidelines. McKernon, S. L., et al (2017). Dental Update, 44(4), 341-350. doi:10.12968/denu.2017.44.4.341

· Incorrect tooth extraction - Never say never? McKernon, S. L., et al (2017). Oral Surgery, 10(1), 30-35. doi:10.1111/ors.12219

· O'Neill F, Nurmikko T, Sommer C. Other facial neuralgias. Cephalalgia. 2017 Jun;37(7):658-669. doi: 10.1177/0333102417689995.

Abstract

What the "Field" is all the Nociception about? In-vivo Electrophysiological Recordings from fast-conducting LOW- AND HIGH-THRESHOLD Mechanoreceptors in Humans. Saad S. Nagi, Andrew Marshall, Adarsh Makdani, Ewa Jarocka, Wonmo Jung, Mats Trullsson, Francis O'Neill, Francis McGlone, Håkan Olausson. 2017, 6th International Congress on Neuropathic Pain, Gothenburg, Sweden.

Book Chapter

· O'Neill F and Nurmikko TJ. Evidence-based Approach to the Treatment of Facial Pain. Youmans Neurological Surgery. 7th. Ed(s) Winn HR. Elsevier Saunders: Philadelphia, PA.

We look forward to welcoming you all to Liverpool in November.



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